

# INTERNATIONAL SEARCH REPORT

Int. Application No  
PC1/GB2005/000733

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C10G31/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C10G C09K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 966 630 A (QUINLAN ET AL) 29 June 1976 (1976-06-29) columns 19-22; claims 1-10 -----	1-24
A	US 4 886 617 A (CHEN ET AL) 12 December 1989 (1989-12-12) claims 1-14 -----	1-24

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

1 July 2005

Date of mailing of the international search report

11/07/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Wengeler, H

## INTERNATIONAL SEARCH REPORT

 Int'l Patent Application No  
 PCT/GB2005/000733

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3966630	A	29-06-1976	US 3792084 A	12-02-1974
			US 4075243 A	21-02-1978
			US 3867286 A	18-02-1975
			US 4084950 A	18-04-1978
			US 4164574 A	14-08-1979
-----				
US 4886617	A	12-12-1989	US 4851490 A	25-07-1989
			CA 1321043 C	03-08-1993
			AU 575078 B2	21-07-1988
			AU 3404684 A	11-09-1986
			CA 1234033 A1	15-03-1988
			DE 3478594 D1	13-07-1989
			EP 0142929 A2	29-05-1985
			IN 164504 A1	01-04-1989
			JP 60118295 A	25-06-1985
			NZ 209764 A	20-02-1987
			US 4732698 A	22-03-1988
			US 4708815 A	24-11-1987
			US 4717499 A	05-01-1988
			US 4759851 A	26-07-1988
			US 4801387 A	31-01-1989
			US 4872995 A	10-10-1989
			US 4868263 A	19-09-1989
			US 4906383 A	06-03-1990
			US 4895916 A	23-01-1990
			US 4895664 A	23-01-1990
			US 4869845 A	26-09-1989
			US 4913822 A	03-04-1990
			US 4863614 A	05-09-1989
			US 4913880 A	03-04-1990
			US 4931188 A	05-06-1990
			US 4929362 A	29-05-1990
			US 4898684 A	06-02-1990
			US 4980433 A	25-12-1990
			US 4944885 A	31-07-1990
			US 5030748 A	09-07-1991
			US 4929695 A	29-05-1990
			US 4659480 A	21-04-1987
			US 4659482 A	21-04-1987
			US 4659481 A	21-04-1987
			US 4701262 A	20-10-1987
-----				